ABSTRACT

There is provided a CDMA mobile communication system in which in a case where packet data relating to one call is transmitted by wireless through a plurality of data channels by sharing predetermined control information, even when a transmission operation is permitted only in a case where the packet data exists, an abrupt change of transmission power can be suppressed. A transmitting station inhibits data transmission until the packet data is generated. In a case where the packet data is generated in such a state, the transmitting station starts data transmission through a first data channel IDCH1 in response to this. Thereafter, every time one frame has passed, the transmitting station sequentially starts data transmission through a second, a third and a fourth data channels IDCH2, IDCH3 and IDCH4. By this, an abrupt increase of the transmission power can be suppressed as compared with a case where the data transmission through all the data channels IDCH1 to ICDH4 is started at the same time.

FIG. 1

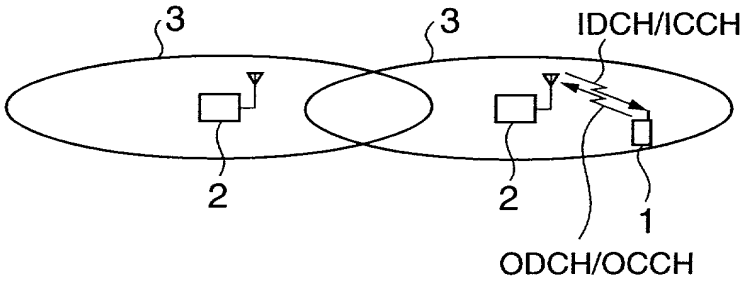

3
3
IDCH/ICCH
2
2
1
ODCH/OCCH

FIG. 2

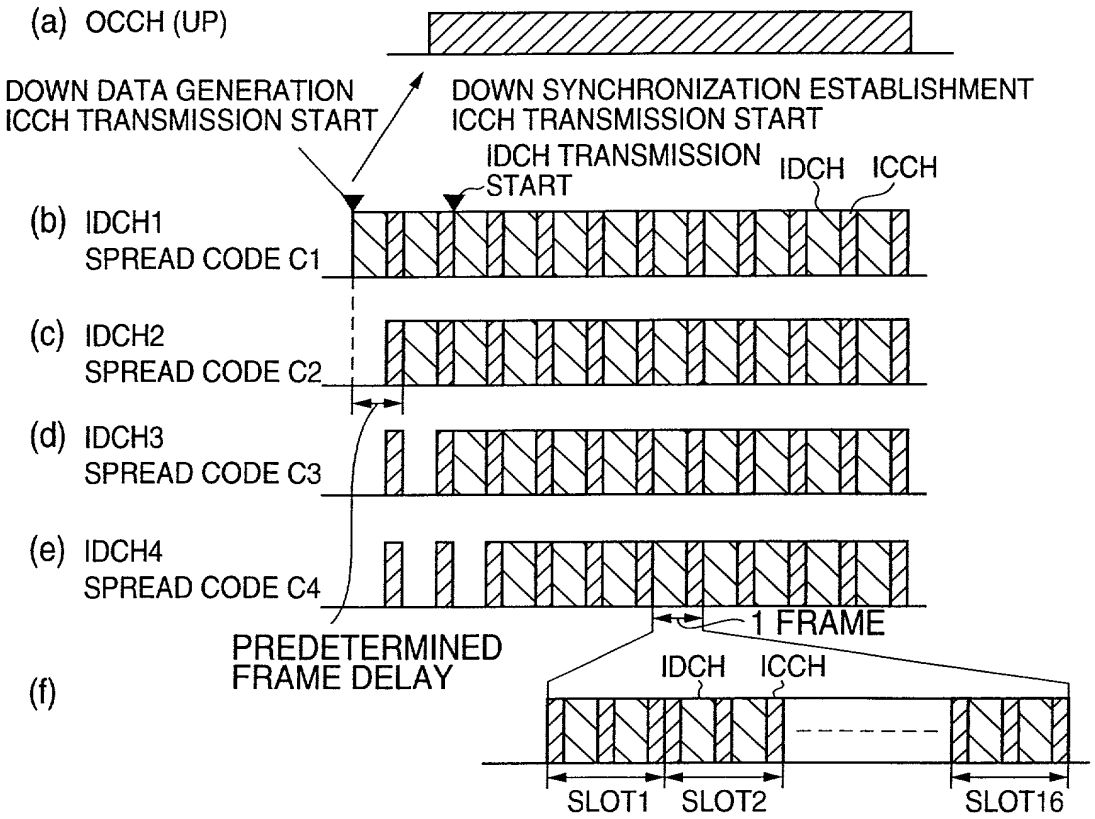
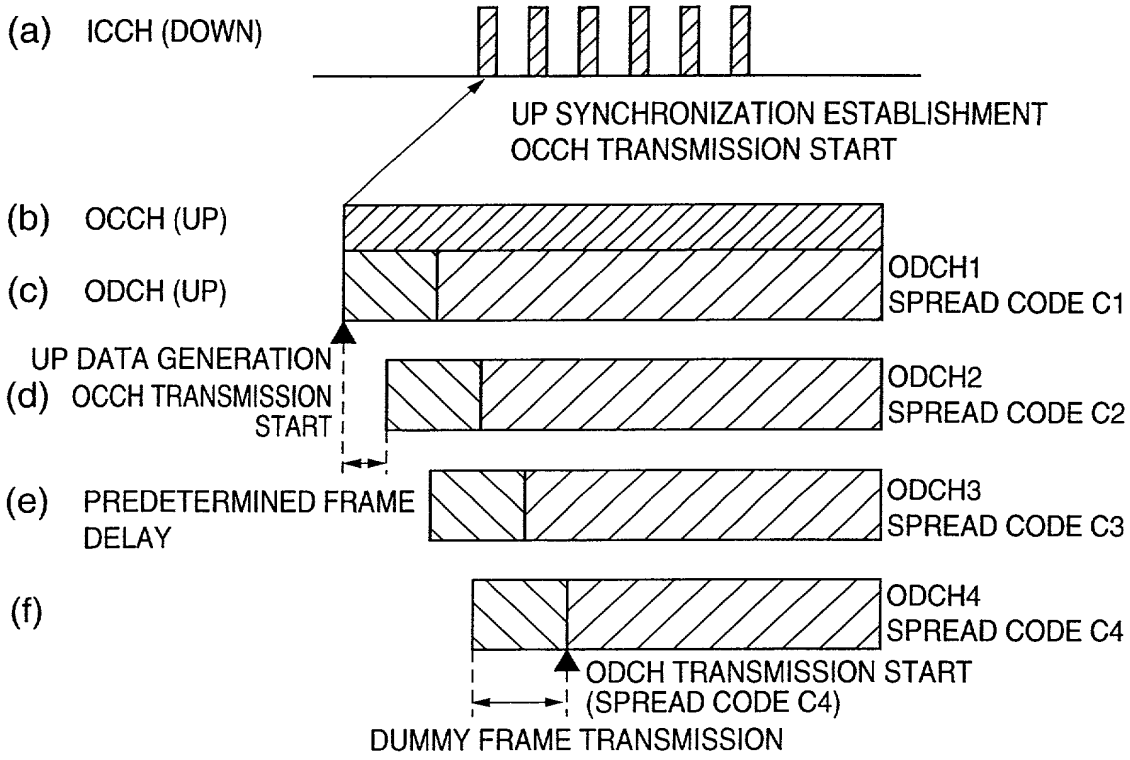

(a) OCCH (UP)
DOWN DATA GENERATION
ICCH TRANSMISSION START
DOWN SYNCHRONIZATION ESTABLISHMENT
ICCH TRANSMISSION START
IDCH TRANSMISSION START
IDCH
ICCH
(b) IDCH1
SPREAD CODE C1
(c) IDCH2
SPREAD CODE C2
(d) IDCH3
SPREAD CODE C3
(e) IDCH4
SPREAD CODE C4
1 FRAME
PREDETERMINED
FRAME DELAY
(f)
IDCH
ICCH
SLOT1
SLOT2
SLOT16

FIG. 3


(a) ICCH (DOWN)
UP SYNCHRONIZATION ESTABLISHMENT
OCCH TRANSMISSION START
(b) OCCH (UP)
(c) ODCH (UP)
ODCH1
SPREAD CODE C1
UP DATA GENERATION
(d) OCCH TRANSMISSION START
ODCH2
SPREAD CODE C2
(e) PREDETERMINED FRAME DELAY
ODCH3
SPREAD CODE C3
(f)
ODCH4
SPREAD CODE C4
ODCH TRANSMISSION START
(SPREAD CODE C4)
DUMMY FRAME TRANSMISSION